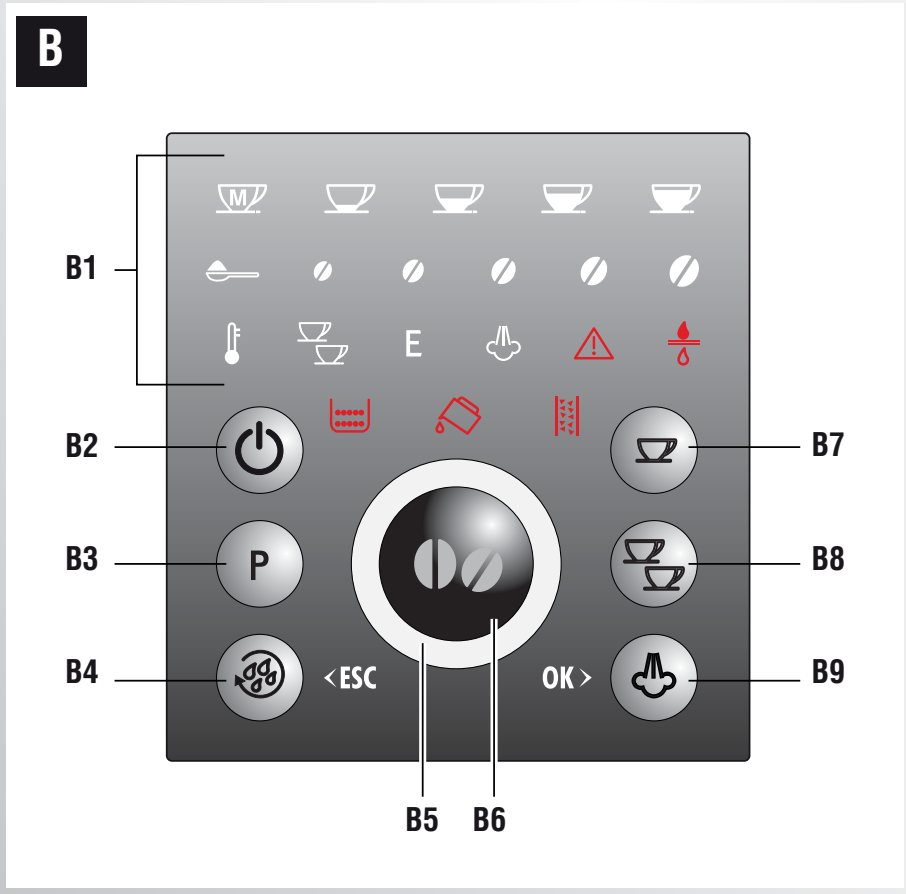
BEAN TO CUP ESPRESSO AND CAPPUCCINO MACHINE

Instructions for use

ECAM23.210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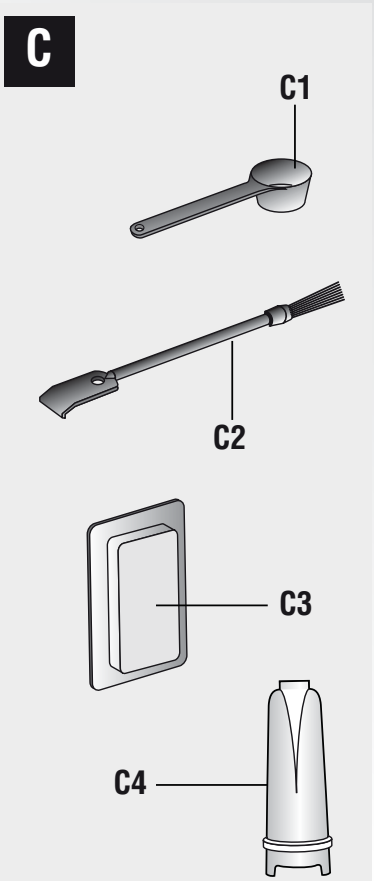
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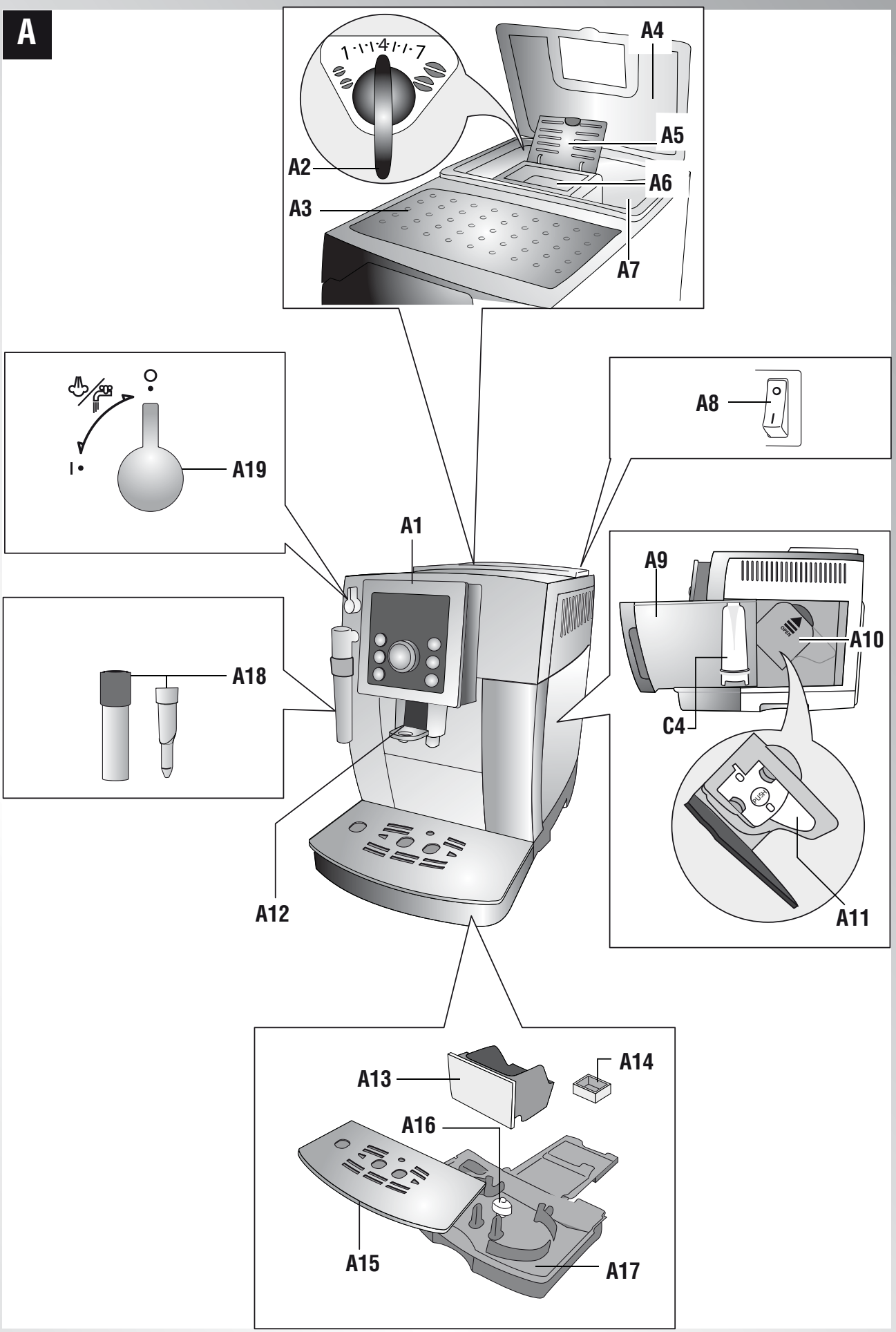
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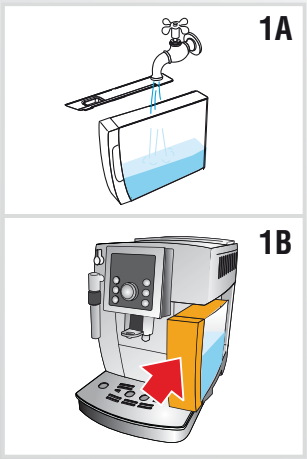
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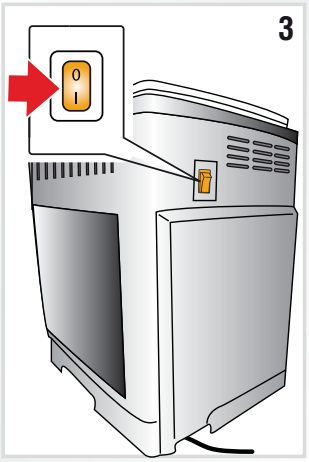
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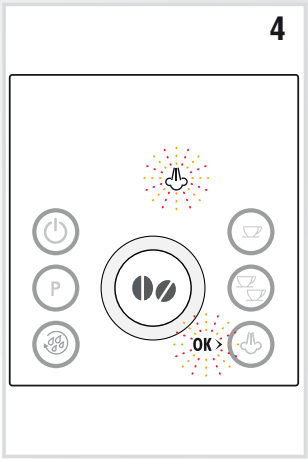
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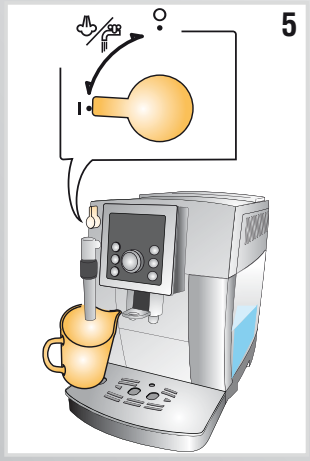
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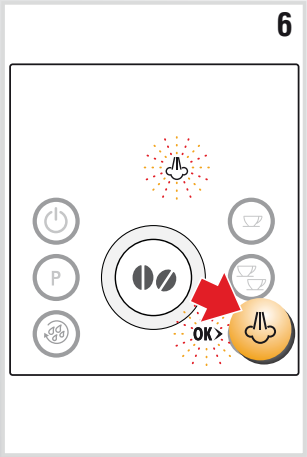
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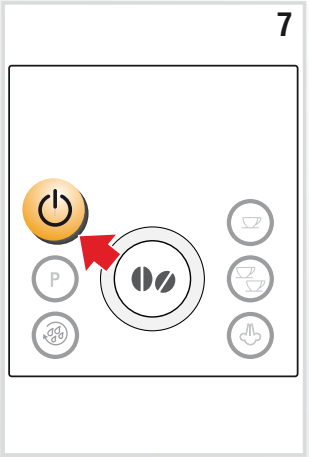
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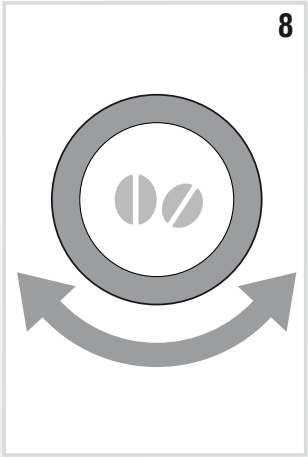
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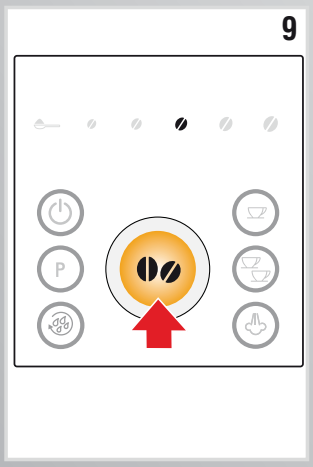
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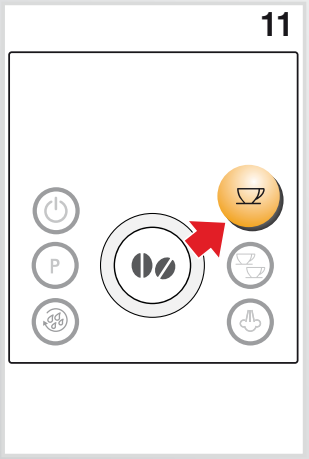
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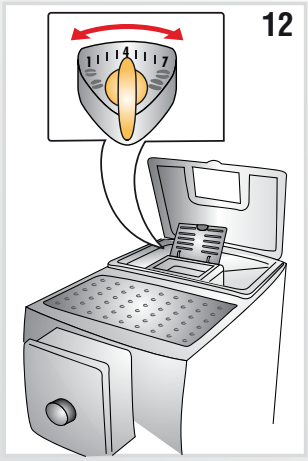
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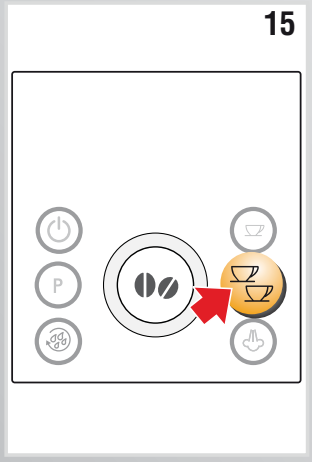
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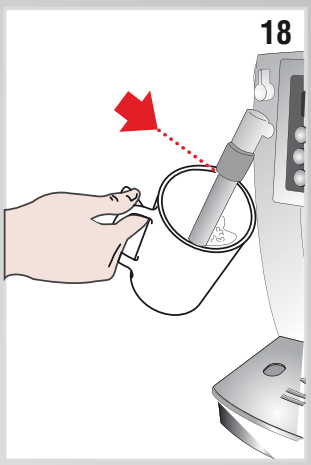
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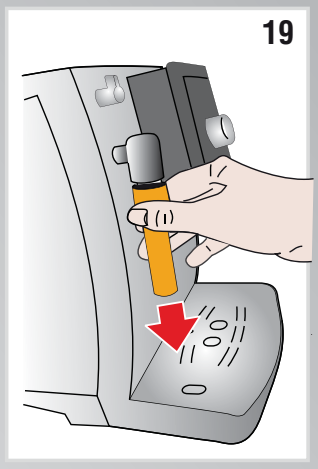
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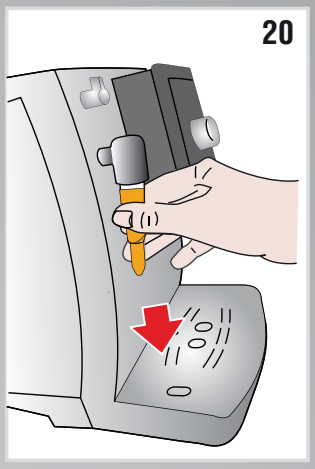
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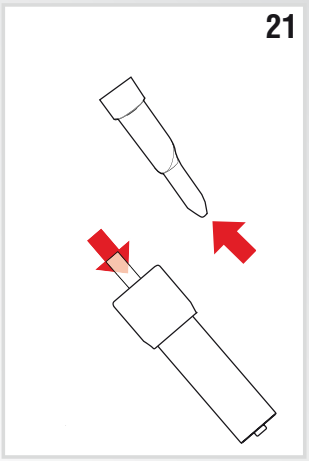
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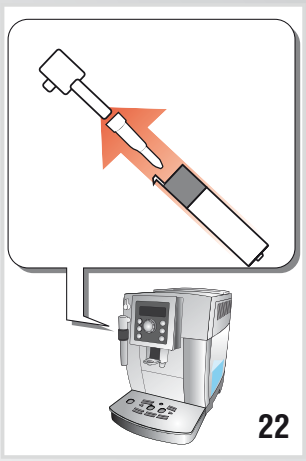
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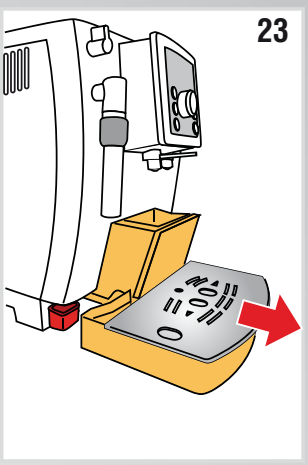
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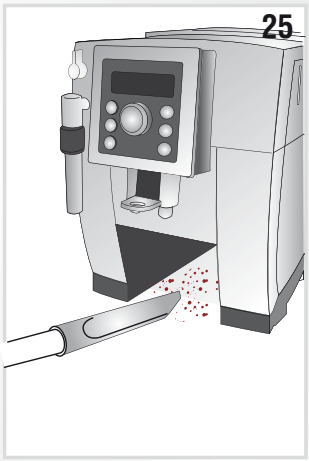
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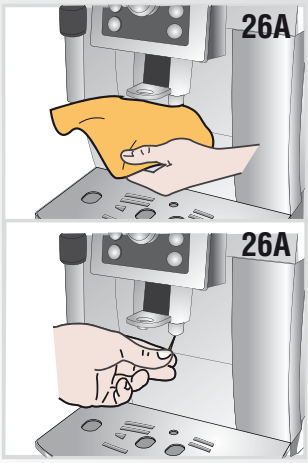
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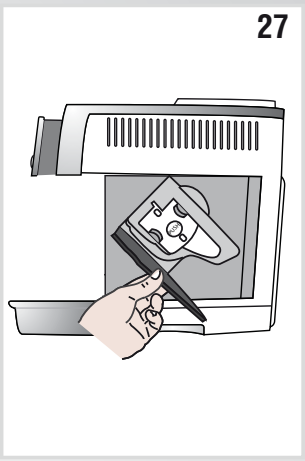
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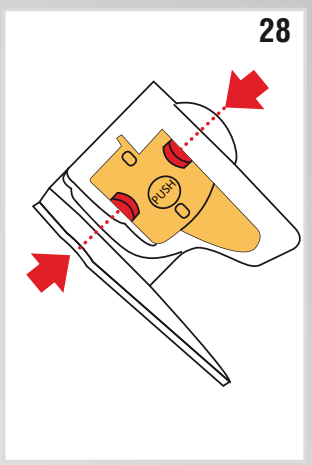
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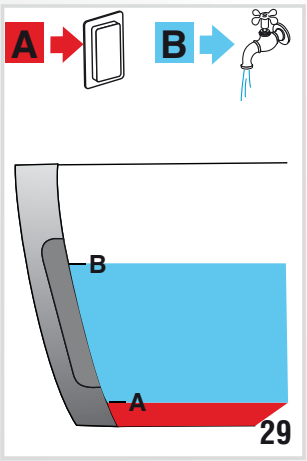
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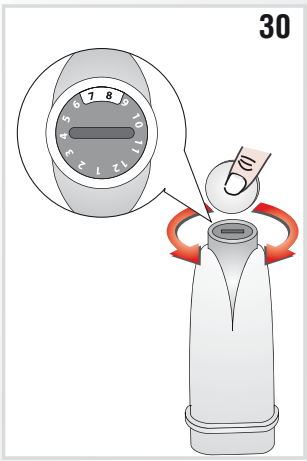
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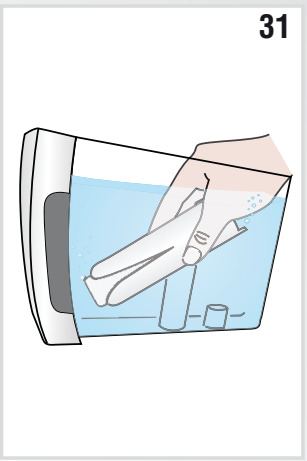
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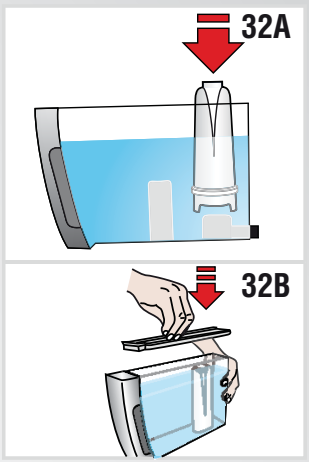
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INTRODUCTION

Thank you for choosing the ECAM 23.210 automatic coffee and cappuccino maker.
We hope you enjoy using your new appliance.
Take a few minutes to read these instructions.
This will avoid all risks and damage to the machine.

Symbols used in these instructions
Important warnings are identified by these symbols. These warnings must absolutely be respected.

Danger!
Failure to observe the warning could result in possibly life threatening injury from electric shock.

Important!
Failure to observe the warning could result in injury or damage to the appliance.

Danger of burns!
Failure to observe the warning could result in scalds or burns.

Please note:
This symbol identifies important advice or information for the user.

Letters in brackets
The letters in brackets refer to the legend in the Description of the Appliance on page 3.

Troubleshooting and repairs
In the event of problems, first try and resolve them following the information given in the section “Explanation of lights” on page 19 and “Troubleshooting” on page 21.
If this does not resolve the problem or you require further information, you should consult Customer Services by calling the number given on the annexed “Customer Service” sheet.
If your country is not among those listed on the sheet, call the number given in the guarantee.
If repairs are required, contact De’Longhi Customer Services only.
The addresses are given in the guarantee certificate provided with the appliance.

SAFETY

Fundamental safety warnings

Danger!
This is an electrical appliance and may cause electric shock.

You should therefore respect the following safety warnings:
- Never touch the appliance with damp hands or feet.
- Never touch the plug with damp hands.
- Make sure the socket used is freely accessible at all times, enabling the appliance to be unplugged when necessary.
- Unplug directly from the plug only. Never pull the power cable as you could damage it.
- To disconnect the appliance completely, place the main switch at the back of the appliance in the 0 position (fig. 6).
- If the appliance is faulty, do not attempt to repair.
  Turn it off, unplug from the mains socket and contact Customer Services.
- If the plug or power cable is damaged, it must be replaced by De’Longhi Customer Services only to avoid all risk.

Important!
Keep all packaging (plastic bags, polystyrene foam) away from children.

Important!
The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children must be supervised to ensure they do not play with the appliance.

Danger: Risk of burns!
This appliance produces hot water and steam may form while it is in operation.
Avoid contact with splashes of water or hot steam.

DESIGNATED USE

This appliance is designed and made to prepare coffee and heat drinks.
All other use is considered improper.
This appliance is not suitable for commercial use.
The manufacturer is not liable for damage deriving from improper use of the appliance.
This is an household appliance only.
It is not intended to be used in:

- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments.

INSTRUCTIONS

Read these instructions carefully before using the appliance.

- Failure to follow these instructions may result in burns or damage to the appliance.
  The manufacturer is not liable for damage deriving from failure to respect these instructions.

Please note:
Keep these instructions. If the appliance is passed to other persons, they must also be provided with these instructions.

DESCRIPTION

Description of the appliance
(page 3 - A)
A1. Control panel
A2. Grinding adjustment knob
A3. Cup shelf
A4. Beans container lid
A5. Pre-ground coffee funnel lid
A6. Pre-ground coffee funnel
A7. Beans container
A8. Main switch
A9. Water tank
A10. Infuser door
A11. Infuser
A12. Coffee spout (adjustable height)
A13. Coffee grounds container
A14. Condensate tray
A15. Cup tray
A16. Drip tray water level indicator
A17. Drip tray
A18. Cappuccino maker
A19. Steam/hot water knob

Description of the control panel
(page 2 - B)
A number of buttons on the panel have a double function. This is indicated in brackets in the description.
B1. Lights
B2. : button: turns the appliance on and off.
B3. **P** button to access the menu
B4. button: to perform a rinse cycle.
(When in the settings MENU, it acts as the "ESC" button to exit from the selected function and go back to the main menu).
B5. Selection knob: turn to select the required quantity of coffee. *(When in the settings MENU, turn to select the required function).*
B6. aroma selection button: to select the coffee taste
B7. button: to make 1 cup of coffee with the settings displayed
B8. button: to make 2 cups of coffee with the settings displayed
B9. button: to deliver steam to make hot drinks with milk.
(When you access the MENU: "OK" button to confirm the selection made)

Description of the accessories
(page 2 - C)
C1. Measure
C2. Cleaning brush
C3. Descaler bottle
C4. Water softener filter (certain models only)

Description of lights

Light flashing: the machine is heating up or a rinse cycle is underway.

The appliance is delivering two cups of coffee.

“Energy Saving” mode is active.

Light on steadily: the “steam” function has been selected;

Light flashing: you must turn the steam knob.

An alarm is displayed on the control panel (see the section: “Explanation of lights”).

Light flashing: the water softener filter must be replaced.

Light on steadily: the grounds container is missing and must be inserted in the appliance;

Light flashing: the grounds container is full and must be emptied.

Light on steadily: the water tank is missing;

Light flashing: there is not enough water in the tank.

Light flashing: the appliance must be descaled (see the section “Descaling”).

Indicates the button to press to exit the programming menu or selected function.

Indicates the button to press to confirm the function selected in the programming menu.

PRELIMINARY CHECKS

Checking the appliance
After removing the packaging, make sure the product is complete and undamaged and that all accessories are present.
Do not use the appliance if it is visibly damaged. Contact De’Longhi Customer Services.

Installing the appliance

Important!
When installing the appliance, respect the following safety warnings:
- The appliance gives off heat.
  After positioning the appliance on the worktop, leave a space of at least 3 cm between the surfaces of the appliance and the side and rear walls and at least 15 cm above the coffee maker.
- Water penetrating the coffee maker could cause damage.
  Do not place the appliance near taps or sinks.
- The appliance could be damaged if the water it contains freezes.
  Do not install the appliance in a room where the temperature could drop below freezing point.
- Arrange the power cable in such a way that it cannot be damaged by sharp edges or contact with hot surfaces (e.g. electric hot plates).

Connecting the appliance

Important!
Check that the mains power supply voltage corresponds to the value indicated on the rating plate on the bottom of the appliance.
Connect the appliance to an efficiently earthed and correctly installed socket with a minimum current rating of 10A only.
If the power socket does not match the plug on the appliance, have the socket replaced with a suitable type by a qualified professional.

Using the appliance for the first time

Please note!
- Coffee has been used to factory test the appliance and it is therefore completely normal

for there to be traces of coffee in the mill.
The machine is, however, guaranteed to be new.

- You should customise water hardness as soon as possible following the instructions in the section “Setting water hardness” on page 17.

Follow the instructions:

1. Remove the water tank, fill to the MAX line with fresh water (fig. 1A) then put back in the appliance (fig. 1B).
2. Place a container with a minimum capacity of 100 ml under the cappuccino maker (fig. 2).
3. Plug the appliance into the mains socket and place the main switch on the back of the appliance in the **I** position (fig. 3).
4. The light flashes on the control panel (fig. 4).
5. Turn the steam knob to the “**I**” position (fig. 5) and press the button to confirm (fig. 6). The appliance delivers water from the cappuccino maker then goes off.
6. Turn the steam knob to the “0” position.

The coffee maker is now ready for normal use.

Please note!

- When using the appliance for the first time, you need to make 4-5 cups of coffee or 4-5 cappuccinos before the appliance starts to give satisfactory results.
- To enjoy your coffee even more and improve the performance of your appliance, we recommend installing a water softener filter as described in the section “WATER SOFTENER FILTER”.
  If your model is not provided with a filter, you can request one from De’Longhi Customer Services.

TURNING THE APPLIANCE ON

Please note!

Before turning the appliance on, make sure the main switch on the back of the appliance is in the I position (fig. 3).
Each time the appliance is turned on, it performs an automatic preheat and rinse cycle which cannot be interrupted.
The appliance is ready for use only after completion of this cycle.

Danger of burns!

During rinsing, a little hot water comes out of the coffee spouts and is collected in the drip tray underneath.
Avoid contact with splashes of water.

- To turn the appliance on, press the button (fig. 7). The light flashes while the appliance is heating up and performing an automatic rinse cycle. By circulating hot water, the appliance heats both the boiler and the internal circuits.

The appliance is at temperature when the light goes off and the lights corresponding to the selected coffee taste and quantity come on.

TURNING THE APPLIANCE OFF

Each time the appliance is turned off, it performs an automatic rinse cycle which cannot be interrupted.

Danger of burns!

During rinsing, a little hot water flows from the coffee spouts. Avoid contact with splashes of water.

To turn the appliance off, press the button (fig. 7). The appliance performs a rinse cycle, then goes off.

Please note!

If the appliance is not used for an extended period, place the main switch in the 0 position (fig. 3).

Important!

To avoid damaging the appliance, never place the main switch (fig. 3) in the 0 position while the appliance is on.

MENU SETTINGS

When you access the programming menu by pressing the **P** button, the following menu settings are available: Descale, Auto-off, Set temperature, Energy Saving, Water hardness, Install filter, Replace filter, Default values, Statistics.

Descale

For instructions on descaling, see page 16.

Auto-off

Please note

The appliance is set to turn off automatically if not used for 2 hours.

The time can be changed so that the appliance switches off after 15 or 30 minutes, or after 1, 2 or 3 hours.

1. Press the **P** button to enter the menu;
2. Turn the selection knob (fig. 8) until the ⚠ light comes on;
3. Press the button to select the function;
4. Turn the selection knob until the lights corresponding to the number of hours before the appliance goes off automatically come on:

   15 minutes
   30 minutes
   1 hour
   2 hours
   3 hours
5. Press the button to confirm;
6. Press the button to exit the menu.

Auto-off is programmed.

Setting the temperature

To modify the temperature (low, medium, high) of the water used to make the coffee, proceed as follows:

1. Press the **P** button to enter the menu;
2. Turn the selection knob until the light comes on;
3. Press the button;
4. Turn the selection knob until the lights corresponding to the required temperature come on:

   LOW
   MEDIUM
   HIGH
5. Press the button to confirm;
6. Press the button to exit the menu.

Energy Saving

Use this function to enable or disable energy saving mode. This mode is active by default, reducing energy consumption while the machine is on in compliance with current European regulations.

1. Press the **P** button to enter the menu;
2. Turn the selection knob until the light **E** comes on.
3. Press the button. The **OK** light flashes.
4. Press the button to activate, or to deactivate, the energy saving mode;
5. Press the button to exit the menu.

When the function is active, the **E** light remains on.

Please note!

A few seconds may elapse between energy saving mode and delivery of the first coffee as the appliance must heat up again.

Setting water hardness

For instructions on setting water hardness, see page 17.

Install filter

For instructions on how to install the filter, see the section “Installing the filter” on page 11.

Replacing the filter

For instructions on how to replace the filter, see the section “Water softener filter” on page 17.

Default values (reset)

This resets all menu settings and programmed quantities back to the default values.

1. Press the **P** button to enter the menu;
2. Turn the selection knob until the ⚠ lights come on;
3. Press the button. The **OK** light flashes;
5. Press the button to confirm and exit.

Statistics function

This displays statistics relating to the machine.

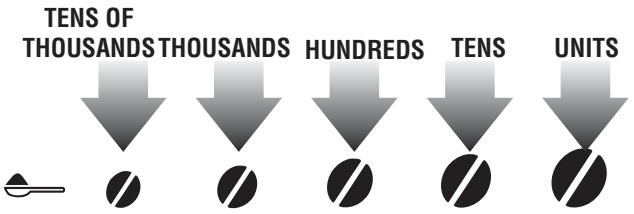
To display, proceed as follows:

1. Press the **P** button to enter the menu;
2. Turn the selection knob until the light comes on;
3. Press the button;
4. When the selection knob is turned and the corresponding light flashes, the following information is displayed:

- how many coffees have been made;
- how many times the machine has been descaled;
- the total number of litres of water delivered;

- how many times the water softener filter has been replaced.

5. The quantities are indicated by the flashing beans as follows:



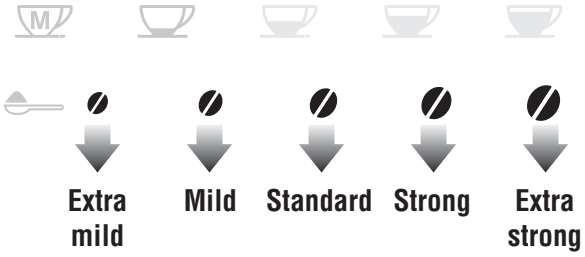
Example: you want to know how many coffees have been made. Enter the menu and select the light.
Count the flashes of the beans - 137 coffees have been made.

6. Press the button twice to exit the menu.

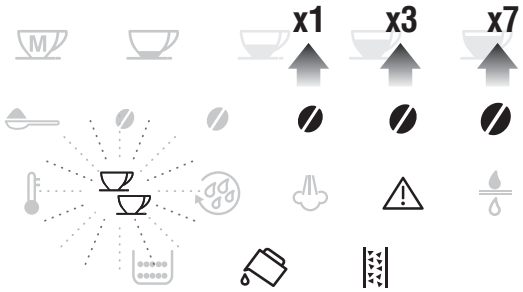
MAKING COFFEE

Selecting the coffee taste

The appliance is set by default to make coffee with a standard taste.
You can also choose one of these tastes:

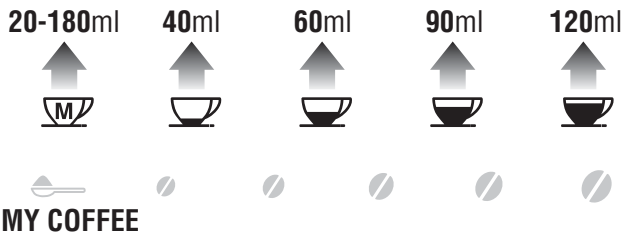


To change the taste, press the button (fig. 9) repeatedly until the required taste appears.



Selecting the quantity of coffee in the cup

The appliance is set by default to make a standard quantity of coffee.
To select the quantity of coffee, turn the selection knob (fig. 8) until the light corresponding to the required quantity of coffee comes on:



Customising the "my coffee" quantity

The appliance is set by default to automatically deliver 30 ml of "my coffee".
To modify the quantity, proceed as follows:

1. Place a cup under the coffee spouts (fig. 10).
2. Turn the selection knob (fig. 8) until the light comes on.
3. Press the 1 cup button (fig. 11) until the light starts flashing and the appliance starts delivering coffee, then release the button.
4. As soon as the coffee in the cup reaches the required level, press the 1 cup button (fig. 11) again.

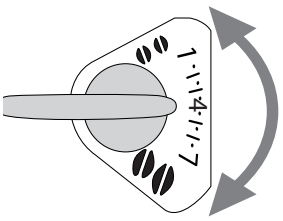
The quantity of coffee in the cup has now been programmed.

Adjusting the coffee mill

The coffee mill is preset in the factory to make coffee correctly and should not require adjusting initially. However, if after making the first few coffees you find that the coffee is too thin and not creamy enough or that delivery is too slow (a drop at a time), this can be corrected by adjusting the grinding adjustment knob (fig. 12).

Please note!
The grinding adjustment knob must only be turned when the coffee mill is in operation.

If the coffee is delivered too slowly or not at all, turn one click clockwise towards "7".



For fuller bodied creamier coffee, turn one click anticlockwise towards "1" (do not turn more than one click at a time otherwise the coffee could be delivered a drop at a time).
These adjustments will only be evident after at least 2 cups of coffee have been delivered.
If this adjustment does not obtain the desired result, turn the knob another click.

Tips for a hotter coffee

For a hotter coffee, before delivery you are recommended to:

- rinse the appliance through by pressing the button. Hot water flows out of the coffee spouts and heats the internal circuit of the machine so that the coffee delivered will be hotter.
- warm the cups with hot water (using the hot water function);
- select the "high" coffee temperature in the menu.

Making coffee using coffee beans

Important!

Do not use caramelised or candied coffee beans as they could stick to the coffee mill and make it unusable.

1. Fill the container with coffee beans (fig. 13).
2. Place under the coffee spouts:

   - 1 cup if you want one coffee (fig. 10);
   - 2 cups if you want 2 coffees.
3. Lower the spouts as near as possible to the cup. This makes a creamier coffee (fig. 14).
4. Press the button corresponding to the number of coffees required (1 cup or 2 cups , figs. 11 and 15).
5. Preparation begins and the lights corresponding to the taste and quantity of coffee selected are displayed.

Once the coffee has been made, the appliance prepares for use again.

Please note:

- While the coffee maker is making coffee, delivery can be interrupted at any moment by pressing one of the two coffee buttons (or).
- At the end of delivery, to increase the quantity of coffee in the cup, just press (within 3 seconds) one of the coffee buttons (or).

Please note:

For hotter coffee, see the section "**Tips for a hotter coffee**".

Important!

- If the coffee is delivered a drop at a time, too thin and not creamy enough or too cold, read the tips in the "Troubleshooting" section on page 21.
- Lights may be displayed on the control panel during use. Their meaning is given in the section "Explanation of the lights" on page 19.

Making coffee using pre-ground coffee

Important!

- Never add pre-ground coffee when the machine is off or it could spread through the inside of the machine and dirty it. This could damage the appliance.
- Never use more than 1 level measure or it could dirty the inside of the coffee maker or block the funnel.

Please note:

If you use pre-ground coffee, you can only make one cup of coffee at a time.

1. Press the button repeatedly (fig. 9) until the symbol appears.
2. Put one level measure of pre-ground coffee into the funnel (fig. 16).
3. Place a cup under the coffee spouts.
4. Press the 1 cup coffee button (fig. 11).
5. Preparation begins.

MAKING CAPUCCINO

Important! Danger of burns

During preparation, steam is given off. Take care to avoid scalds.

1. When making cappuccino, prepare the coffee in a large cup;
2. Fill a container with about 100 grams of milk for each cappuccino to be made. In choosing the size of the container, bear in mind that the milk doubles or triples in volume.

Please note!

For a richer denser froth, use skimmed or partially skimmed milk at refrigerator temperature (about 5°C).

To avoid milk with poor froth or large bubbles, always clean the cappuccino maker as described in the section “Cleaning the cappuccino maker after use”.

3. Press the button. The light flashes.
4. After a few seconds, the light flashes telling you to turn the steam knob.
   Immerse the cappuccino maker in the milk container (fig. 17). Take care not to immerse the raised line on the cappuccino maker (shown by the arrow in fig. 18).
5. Turn the steam knob to the I position (fig. 4) . Steam is delivered from the cappuccino maker, giving the milk a creamy frothy appearance and making it more voluminous.
6. To obtain a creamier froth, rotate the container with slow upward movements.
   You should not deliver steam for more than 3 minutes at a time.
7. To obtain a creamier froth, rotate the container with slow upward movements.
   You should not deliver steam for more than 3 minutes at a time.

Important! Danger of burns

Stop steam delivery before removing the container with the frothed milk to avoid burns caused by splashes of boiling milk.

8. Add the milk froth to the coffee prepared previously.
   The cappuccino is ready. Sweeten to taste and, if desired, sprinkle the froth with a little cocoa powder.

Cleaning the cappuccino maker after use.

Clean the cappuccino maker each time you use it to avoid the build-up of milk residues or blockages.

Important! Danger of burns

When cleaning the cappuccino maker, a little hot water comes out.
Avoid contact with splashes of water.

1. Discharge a little water for a few seconds by rotating the steam knob to the I position.
   Then turn the steam knob to the 0 position to stop the flow of hot water.
2. Wait a few minute for the cappuccino maker to cool down. Turn the cappuccino maker outwards and remove it by pulling it downwards (fig. 19).
3. Remove the nozzle downwards (fig. 20).
4. Make sure the two holes shown by the arrow in fig. 21 are not blocked.
   If necessary, clean with a pin.
5. Wash all parts of the cappuccino maker thoroughly with a sponge and warm water.
6. Replace the nozzle and put the cappuccino maker back on the nozzle (fig. 22), turning it and pushing it upwards until it is attached.

HEATING WATER

Important! Danger of burns.

Never leave the machine unsupervised while delivering hot water. Stop delivery of hot water as described below when the cup is full.
The cappuccino maker becomes hot while water is being delivered and must be held by the handle only. The hot water spout becomes hot while water is being delivered and must be handled by the handle only.

1. Place a container under the cappuccino maker as close as possible to avoid splashes.
2. Turn the steam knob to the I position. Delivery begins.
3. Stop by turning the steam knob to the **0** position.

Please note!

If “Energy Saving” mode is active, you may have to wait a few seconds before the hot water is delivered.

CLEANING

Cleaning the coffee maker

The following parts of the machine must be cleaned regularly:

- coffee grounds container (A13),
- drip tray (A17) and condensate tray (A14),
- water tank (A9),
- coffee spouts (A12),
- pre-ground coffee funnel (A6),
- inside of the machine, accessible after opening the infuser door (A10),
- infuser (A11).

Important!

- Do not use solvents, abrasive detergents or

alcohol to clean the coffee maker.
With De'Longhi superautomatic coffee makers, you need not use chemical products to clean the machine.
The descaler recommended by De'Longhi is made from natural and completely biodegradable substances.

- None of the components can be washed in a dishwasher.
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.

Cleaning the coffee grounds container

When the light flashes, the coffee grounds container must be emptied and cleaned.
Unless you clean the grounds container, the light will continue to flash and the appliance cannot be used to make coffee.
To clean (with the machine on):

- Remove the drip tray (fig. 23), empty and clean.
- Empty the grounds container and clean thoroughly to remove all residues left on the bottom.
- Check the condensate tray (red) and empty if necessary.

Important!
When removing the drip tray, the grounds container must be emptied, even if it contains few grounds.

If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.

Cleaning the drip tray and condensate tray

Important!
If the drip tray is not emptied regularly, the water could overflow from the edge and seep inside or around the coffee maker.
This could damage the machine, the surface it rests on or the surrounding area.
The drip tray is fitted with a level indicator (red) showing the level of water it contains (fig. 24).
Before the indicator protrudes from the cup tray, the drip tray must be emptied and cleaned.
To remove the drip tray:

1. Remove the drip tray and the grounds container (fig. 23);
2. Empty the drip tray and grounds container and wash them;
3. Check the condensate tray and empty if necessary.
4. Replace the drip tray and grounds container.

Cleaning the inside of the coffee maker

Danger of electric shock!
Before cleaning internal parts, the machine must be turned off (see "Turning off") and unplugged from the mains power supply.
Never immerse the coffee maker in water.

1. Check regularly (about once a week) that the inside of the appliance (accessible after removing the drip tray) is not dirty.
   If necessary, remove coffee deposits with the brush and a sponge.
2. Remove the residues with a vacuum cleaner (fig. 25).

Cleaning the water tank

1. Clean the water tank (A9) regularly (about once a month and whenever you replace the water softener filter (if provided) with a damp cloth and a little mild washing up liquid.
2. Remove the filter (if present) and rinse with running water.
3. Replace the filter (if provided), fill the tank with fresh water and replace the tank.

Cleaning the coffee spouts

1. Clean the coffee spouts with a sponge or cloth (fig. 26A).
2. Check the holes in the coffee spout are not blocked.
   If necessary, remove coffee deposits with a toothpick (fig. 26B).

Cleaning the pre-ground coffee funnel

Check regularly (about once a month) that the pre-ground coffee funnel is not blocked.
If necessary, remove coffee deposits with the brush supplied.

Cleaning the infuser

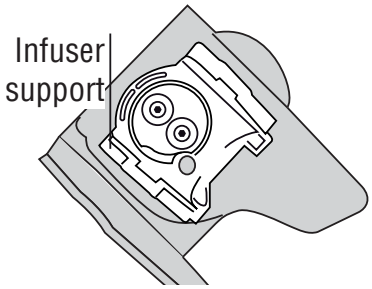
The infuser (A11) must be cleaned at least once a month.

Important!
The infuser may not be extracted when the machine is on.

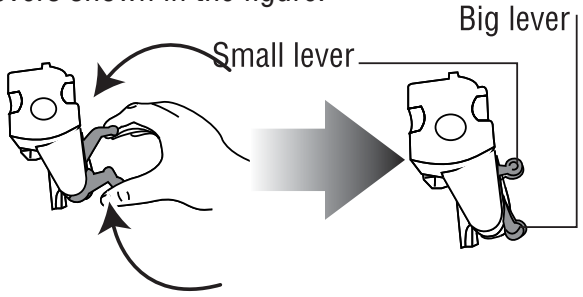
1. Make sure the machine is correctly turned off (see “Turning the appliance off” on page 10).
2. Remove the water tank.
3. Open the infuser door (fig. 27) on the right side.
4. Press the two red release buttons inwards and at the same time pull the infuser outwards (fig. 28).

Important!
RINSE WITH WATER ONLY
NO WASHING UP LIQUID - NO DISH WASHER
Clean the infuser without using washing up liquid as it could be damaged.

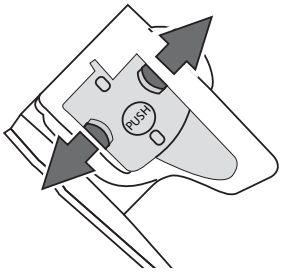
5. Soak the infuser in water for about 5 minutes, then rinse under the tap.
6. Use the brush to remove any coffee residues left in the infuser housing, visible through the infuser door.
7. After cleaning, replace the infuser by sliding it onto the internal support, then push the PUSH symbol fully in until it clicks into place.



Please note!
If the infuser is difficult to insert, before insertion, adapt it to the right size by pressing the two levers shown in the figure.



7. Once inserted, make sure the two red buttons have snapped out.
8. Close the infuser door.
9. Replace the water tank.



DESCALE

Descale the appliance when the light on the control panel flashes.

Important!
Descaler contains acids which may irritate the skin and eyes.
It is vital to respect the manufacturer’s safety warnings given on the descaler pack and the warnings relating to the procedure to follow in the event of contact with the skin and eyes.

Please note!
Use De’Longhi descaler only.
Under no circumstances should you use sulphamic or acetic based descalers. Their use invalidates the guarantee.
Failure to descale the appliance as described also invalidates the guarantee.

1. Turn the machine on.
2. Press the **P** button to enter the menu.
3. Turn the selection knob until the light is displayed.
4. Select by pressing the button. The OK light flashes. Press the button again to confirm.
5. Completely empty the water tank (A9) and remove the water softener filter (if present).
6. Pour the descaler into the tank up to the level A (corresponding to a 100 ml pack) marked on the back of the tank (fig. 29A), then add water (1l) up to level B (fig. 29B).
7. Place an empty container with a minimum capacity of 1.5 litres under the cappuccino maker (A19) (fig. 3).

Important! Danger of burns
Hot water containing acid flows from the cappuccino maker.
Avoid contact with splashes of water.

9. Press the button to confirm introduction of the solution. The light flashes telling you to turn the steam knob.
10. Turn the steam knob to the I position
    The descaling programme starts and the descaler liquid comes out of the cappuccino maker.
    The descale programme automatically performs a series of rinses and pauses to remove limescale deposits from inside the machine.

After about 30 minutes, the water tank is empty. The OK and lights come on and the light flashes.

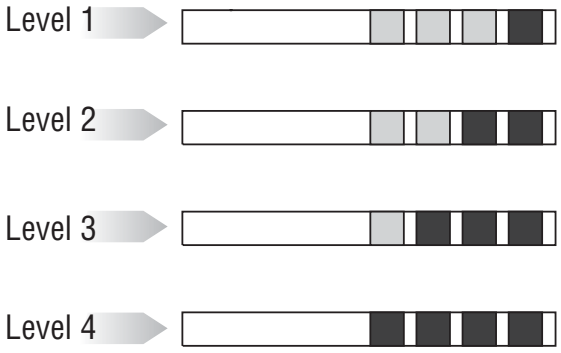
11. Empty the container used to collect the descaler solution and replace it under the cappuccino maker.
12. Remove the water tank, empty, rinse under running water, fill with clean water and replace. The light goes off.
13. Hot water comes out of the cappuccino maker.
14. When the water tank is completely empty, is displayed.
15. Turn the knob to the 0 position, insert the filter (if present), fill the water tank and the appliance is ready for use.

SETTING WATER HARDNESS

The light is displayed after a period of time established according to the water hardness set. The machine is factory set for a hardness value of 4. The machine can also be programmed according to the hardness of the mains water in the various regions so that the machine needs to be descaled less often.

Measuring water hardness

1. Remove the "TOTAL HARDNESS TEST" indicator paper attached to this manual from its pack.
2. Immerse the paper completely in a glass of water for one second.
3. Remove the paper from the water and shake lightly.
   After about a minute, 1, 2, 3, or 4 red squares form, depending on the hardness of the water. Each square corresponds to one level.



Set water hardness

1. Press the **P** button to enter the menu.
2. Turn the selector knob until the light is selected.
3. Confirm the selection by pressing the button.
4. Turn the selection knob and set the level shown by the indicator paper (see previous paragraph).
   LEVEL 1
   LEVEL 2
   LEVEL 3
   LEVEL 4
5. Press the button to confirm the setting.
6. Press the button to exit the menu.

The machine is now reprogrammed with the new water hardness setting.

WATER SOFTENER FILTER

Certain models are fitted with a water softener filter. If this is not the case with your model, you are recommended to purchase one from De'Longhi Customer Services.
To use the filter correctly, follow the instructions below.

Installing the filter

1. Remove the filter from the packaging.
2. Turn the date indicator disk (see fig. 30) until the next 2 months of use are displayed.

Please note:
The filter lasts about two months if the appliance is used normally. If the coffee maker is left unused with the filter installed, it will last a maximum of three weeks.

3. Remove the tank from the appliance and fill with water.
4. Insert the filter in the water tank and immerse it completely, sloping it to enable the air

bubbles to escape (fig. 31).
5. Insert the filter in the filter housing (fig. 32A) and press as far as it will go.
6. Close the tank with the lid (fig. 32B), then replace the tank in the machine.

When you install the filter, you must notify the appliance of its presence.
7. Press the **P** button to enter the menu;
8. Turn the selection knob until the and lights come on.
9. Press the **OK** button.
10. Press the button to confirm the selection.
11. Place a container (min. capacity: 100 ml) under the cappuccino maker.
12. Turn the steam knob and press the button.
13. At the end of delivery, the light flashes. Close the knob and the appliance returns automatically to the "ready for coffee" state.

The new filter is active and you can now use the coffee maker.

Replacing the filter

When the light flashes, after two months (see date indicator) or when the appliance has not been used for 3 weeks, you should replace the filter:
1. Remove the exhausted filter;
2. Remove the new filter from the packaging.
3. Turn the date indicator disk (see fig. 30) until the next 2 months of use are displayed (the filter lasts about two months);
4. Refill the tank;
5. Insert the filter in the water tank and immerse it completely, sloping it to enable the air bubbles to escape (fig. 31);
6. Place the filter in the filter housing (fig. 32A) and press as far as it will go. Close the tank with the lid (fig. 32B), then replace the tank in the machine;
7. Place a container (min. capacity: 100 ml) under the cappuccino maker.
8. Press the **P** button to enter the menu;
9. Turn the selection knob until the and lights come on.
10. Press the button. The **OK** light flashes.
11. Press the button to confirm the selection.
12. Turn the steam knob and press the button.
13. At the end of delivery, the light flashes. Close the knob and the appliance returns automatically to the "ready for coffee" state.

The new filter is now active and you can use the coffee maker.

Removing the filter

If you want to continue using the appliance without a filter, you must remove it and notify the appliance of its removal as follows:
1. Extract the tank and exhausted filter;
2. Press the **P** button to enter the menu;
3. Turn the selection knob (fig. 8) until the and lights come on;
4. Press the button. The **OK** light flashes;
5. Press the button to confirm use of the appliance without the filter;
6. Press the button to exit the menu.

TECHNICAL SPECIFICATION

Voltage:	220-240 V~ 50/60 Hz max. 10A
Absorbed power:	1450W
Pressure:	15 bars
Water tank capacity:	1.8 L max.
Size LxHxD:	238x340x430 mm
Cable length:	1.15 m
Weight:	9.1 kg
Coffee beans container capacity:	150 g max.

CE The appliance complies with the following EC directives:
- Stand-by Directive no. 1275/2008;
- Low Voltage Directive 2006/95/EC and subsequent amendments;
- EMC Directive 2004/108/EC and subsequent amendments
- Materials and accessories coming into contact with food conform to EEC regulation 1935/2004.

DISPOSAL

Important information for correct disposal of the product in accordance with EC Directive 2002/96/EC.

At the end of its working life, the product must not be disposed of as urban waste. It must be taken to a special local autho-

rity differentiated waste collection centre or to a dealer providing this service. Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered to obtain significant savings in energy and resources.As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-out wheeled dustbin.

EXPLANATION OF LIGHTS

LIGHT	POSSIBLE CAUSE	REMEDY
	Insufficient water in the tank.	Fill the tank with water and insert it correctly, pushing it as far as it will go until it clicks into place.
	The tank is not correctly in place.	Insert the tank correctly and press as far as it will go.
	The grounds container (A13) is full.	Empty the grounds container and drip tray, clean and replace. Important: when removing the drip tray, the grounds container MUST be emptied, even if it contains few grounds. If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.
	After cleaning, the grounds container has not been replaced.	Remove the drip tray and insert the grounds container.
	The grinding is too fine and the coffee is delivered too slowly or not at all.	Repeat coffee delivery and turn the grinding adjustment knob (fig. 10) one click clockwise towards “7” while the coffee mill is in operation. If after making at least 2 coffees delivery is still too slow, repeat the correction procedure, turning the grinding adjustment knob another click until delivery is correct (see the section: Adjusting the coffee mill on page 29). If the problem persists, turn the steam knob to the I position and deliver water from the cappuccino maker.

LIGHT	POSSIBLE CAUSE	REMEDY
	The “pre-ground coffee” function has been selected without placing any pre-ground coffee in the funnel.	Place pre-ground coffee in the funnel or deselect the “pre-ground” function.
	The machine must be descaled.	The descaling procedure described in the section “Descaling” needs to be performed as soon as possible.
	Too much coffee has been used.	Select a milder taste or reduce the quantity of pre-ground coffee then make the coffee again.
	The coffee beans have run out.	Fill the beans container
	The pre-ground coffee funnel is clogged.	Empty the funnel with the help of a brush as described in the section “Cleaning the pre-ground coffee funnel”.
	The infuser has not been replaced after cleaning.	Insert the infuser as described in the section "Cleaning the infuser".
	The inside of the appliance is very dirty.	Clean the inside of the appliance thoroughly, as described in the section "Cleaning and maintenance". If the message is still displayed after cleaning, contact a customer services.
	The filter is exhausted.	Replace the filter (see the section "Replacing the water softener filter").

TROUBLESHOOTING

Below is a list of some of the possible malfunctions.
If the problem cannot be resolved as described, contact Customer Services.

PROBLEM	POSSIBLE CAUSE	REMEDY
The coffee is not hot	The cups were not preheated.	Warm the cups by rinsing them with hot water (Please note you can use the hot water function).
	The infuser has cooled down because 2/3 minutes have elapsed since the last coffee was made.	Before making the coffee, warm the infuser by pressing the button.
	Low coffee temperature is set.	In the menu, set a high coffee temperature.
The coffee is thin or not creamy enough.	The coffee is ground too coarsely.	Turn the grinding adjustment knob one click anticlockwise towards “1” while the coffee mill is in operation (fig. 10). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering two coffees (see “Adjusting coffee mill”, page 12).
	The coffee is unsuitable.	Use pre-ground coffee for espresso coffee makers
The coffee is delivered too slowly or a drop at a time.	The coffee is ground too finely.	Turn the grinding adjustment knob one click clockwise towards “7” while the coffee mill is in operation (fig. 10). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see the section: “Adjusting the coffee mill” on page 12).
Coffee does not come out of one of the spouts.	The spouts are blocked.	Clean the spouts with a toothpick.
The frothed milk has large bubbles	The milk is not cold enough or is not semi-skimmed.	You should ideally use skimmed or semi-skimmed milk at refrigerator temperature (about 5°C). If the result is still disappointing, try another brand of milk.
The milk is not frothed	Cappuccino maker dirty.	Clean as described in the section “Cleaning the cappuccino maker after use” on page 31.
Steam delivery stops	A safety device stops steam delivery after 3 minutes.	Wait, then activate the steam function again.
The appliance does not come on.	It is not plugged into the mains socket.	It is not plugged into the mains socket.
	Plug into the mains socket.	Place the main switch in the I position (fig. 1).